

Notice of Allowability

Application No.

10/038,203

Examiner

Tony Mahmoudi

Applicant(s)

CHAKRABORTY ET AL.

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the After-Final amendment of 4/27/06 and the Examiner's Amendment authorized on 5/16/06.

2. ☒ The allowed claim(s) is/are 37-38, 40-41, 45-53, 55-56, 60-68, 70-71, and 75-81, re-numbered as claims 1-33.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20060517.

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.


HOSAIN ALAM
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

Remarks

1. In response to the After-Final Amendment filed on 27-April-2006, claims 37-41, 45-56, 60-71, and 75-81 are pending in the application, of which, claims 37, 52, and 67 are presented in independent form.
2. In view of the examiner's amendment authorized by the Attorney of Record, claims 39, 54, and 69 are canceled and other claims are amended (details provided below.)

Examiner's Amendment

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. A. Wesley Ferrebee (Attorney of Record) on 11-May-2006 (see enclosed Interview Summary, paper No. 20060517.)

The following claims listing replaces all other listings of claims previously submitted:

Art Unit: 2165

1-36. (Canceled)

37. (Currently Amended) A method in a data processing system comprising:
examining the nodes in a plurality of hierarchical trees;
determining if a node is present in only one tree by comparing two or more of the
hierarchical trees;
creating a merged tree based on the nodes in the hierarchical trees;
determining if the hierarchical trees comprise a set of equivalent nodes
selecting a node with the highest priority from the set of equivalent nodes if the
hierarchical trees comprise a set of equivalent nodes;
creating a shallow clone of the selected node; and
adding the shallow clone to the merged tree.

38. (Previously presented) The method of claim 37 further comprising:
creating a reference node to the node determined to be present in only one tree if a node
is determined to be present in only one tree; and
adding the reference node to the merged tree.

39. (Canceled)

40. (Previously presented) The method of claim 38 wherein the reference node is a
pointer.

41. (Previously presented) The method of claim 38 wherein the reference node is a Java reference.

42-44. (Canceled)

45. (Previously presented) The method of claim 37 wherein the hierarchical trees comprise a group tree and a user tree.

46. (Previously presented) The method of claim 37 wherein the hierarchical trees comprise a group tree and an admin tree.

47. (Previously presented) The method of claim 37 wherein the hierarchical trees comprise a user tree and an admin tree.

48. (Previously presented) The method of claim 37 wherein the hierarchical trees comprise a group tree, a user tree, and an admin tree.

49. (Previously presented) The method of claim 37 wherein the hierarchical trees are DOM trees.

Art Unit: 2165

50. (Previously presented) The method of claim 49 wherein the DOM trees are XML DOM trees.

51. (Previously presented) The method of claim 37 further comprising:
printing the merged tree.

52. (Currently Amended) A data processing ~~system~~ computer comprising:
a memory comprising a program that:
examines ~~the~~ nodes in a plurality of hierarchical trees;
determines if a node is present in only one tree by comparing two or more of the
hierarchical trees;
creates a merged tree based on the nodes in the hierarchical trees;
determines if the hierarchical trees comprise a set of equivalent nodes;
selects a node with the highest priority from the set of equivalent nodes if the
hierarchical trees comprise a set of equivalent nodes;
creates a shallow clone of the selected node; and
adds the shallow clone to the merged tree; and
a processor for running the program.

53. (Currently Amended) The data processing ~~system~~ computer of claim 52 wherein
the program further:

Art Unit: 2165

creates a reference node to the node determined to be present in only one tree if a node is determined to be present in only one tree; and

adds the reference node to the merged tree.

54. (Canceled)

55. (Currently Amended) The data processing ~~system~~ computer of claim 53 wherein the reference node is a pointer.

56. (Currently Amended) The data processing ~~system~~ computer of claim 53 wherein the reference node is a Java reference.

57-59. (Canceled)

60. (Currently Amended) The data processing ~~system~~ computer of claim 52 wherein the hierarchical trees comprise a group tree and a user tree.

61. (Currently Amended) The data processing ~~system~~ computer of claim 52 wherein the hierarchical trees comprise a group tree and an admin tree.

62. (Currently Amended) The data processing ~~system~~ computer of claim 52 wherein the hierarchical trees comprise a user tree and an admin tree.

63. (Currently Amended) The data processing ~~system~~ computer of claim 52 wherein the hierarchical trees comprise a group tree, a user tree, and an admin tree.

64. (Currently Amended) The data processing ~~system~~ computer of claim 52 wherein the hierarchical trees are DOM trees.

65. (Currently Amended) The data processing ~~system~~ computer of claim 64 wherein the DOM trees are XML DOM trees.

66. (Currently Amended) The data processing ~~system~~ computer of claim 52 wherein the program further:

prints the merged tree.

67. (Currently Amended) A computer-readable medium ~~comprising~~ storing computer-readable instructions for controlling a data processing system to perform a method comprising the steps of:

examining ~~the~~ nodes in a plurality of hierarchical trees;

determining if a node is present in only one tree by comparing two or more of the hierarchical trees; and

creating a merged tree based on the nodes in the hierarchical trees;

determining if the hierarchical trees comprise a set of equivalent nodes;

Art Unit: 2165

selecting a node with the highest priority from the set of equivalent nodes if the hierarchical trees comprise a set of equivalent nodes;

creating a shallow clone of the selected node; and

adding the shallow clone to the merged tree.

68. (Previously presented) The computer-readable medium of claim 67 wherein the method further comprises the steps of:

creating a reference node to the node determined to be present in only one tree if a node is determined to be present in only one tree; and

adding the reference node to the merged tree.

69. (Canceled)

70. (Previously presented) The computer-readable medium of claim 68 wherein the reference node is a pointer.

71. (Previously presented) The computer-readable medium of claim 68 wherein the reference node is a Java reference.

72-74. (Canceled)

Art Unit: 2165

75. (Previously presented) The computer-readable medium of claim 67 wherein the hierarchical trees comprise a group tree and a user tree.

76. (Previously presented) The computer-readable medium of claim 67 wherein the hierarchical trees comprise a group tree and an admin tree.

77. (Previously presented) The computer-readable medium of claim 67 wherein the hierarchical trees comprise a user tree and an admin tree.

78. (Previously presented) The computer-readable medium of claim 67 wherein the hierarchical trees comprise a group tree, a user tree, and an admin tree.

79. (Previously presented) The computer-readable medium of claim 67 wherein the hierarchical trees are DOM trees.

80. (Previously presented) The computer-readable medium of claim 79 wherein the DOM trees are XML DOM trees.

81. (Previously presented) The computer-readable medium of claim 67 wherein the method further comprises the step of:
printing the merged tree.

Allowance

4. Claims 37-38, 40-41, 45-53, 55-56, 60-68, 70-71, and 75-81 are allowed over the prior art made of record.

Conclusion

5. Any inquiries concerning this communication or earlier communications from the examiner should be directed to Tony Mahmoudi whose telephone number is (571) 272-4078. The examiner can normally be reached on Mondays-Fridays from 08:00 am to 04:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin, can be reached at (571) 272-4146.

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May 17, 2006